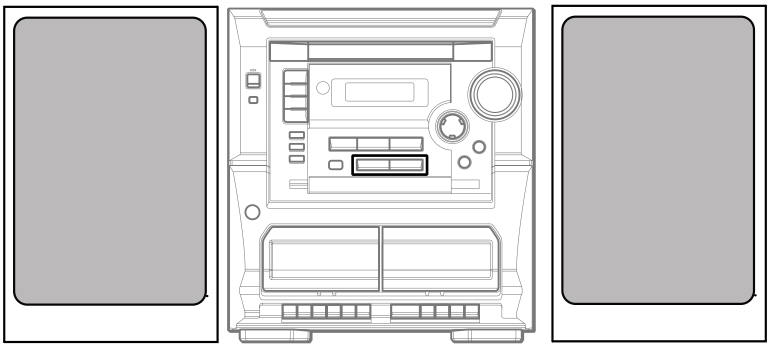
Z-L200 HA

aiwa SERVICE



SERVICE MANUAL

COMPACT DISC STEREO
CASSETTE RECEIVER

BASIC TAPE MECHANISM : ZZM-2 PR1NM
BASIC CD MECHANISM : AZG-1 ZA3RN1DM

SYSTEM	CD CASSEIVER	SPEAKER	REMOTE CONTROLLER
Z-L200	CX-ZL200	SX-ZL200	RC-ZAS02

- This Service Manual is the “Supplement” and replaces “Simple Manual” Z-L200, (S/M Code No. 09-005-422-5T3).
- This Service Manual contains information about the difference between Z-L200 (LH) and Z-L200 (HA). If requiring other information, see Service Manual of Z-L100 (U) / 200 (LH), (S/M Code No. 09-99C-422-5R1).
- If requiring information about the CD mechanism, see Service Manual of AZG-1, (S/M Code No. 09-001-335-3NC).

aiwa

S/M Code No. 09-006-422-5S1

SUPPLEMENT

DATA

SPECIFICATIONS

<FM tuner section>

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	13.2 dBf
Antenna terminals	75 ohms (unbalanced)

<AM tuner section>

Tuning range	530 kHz to 1710 kHz (10 kHz step) 531 kHz to 1602 kHz (9 kHz step)
Usable sensitivity	350 μV/m
Antenna	Loop antenna

<Amplifier section>

Power output	Rated 33 W + 33 W (1 kHz, T.H.D.1%, 6 ohms) Reference : 40 W + 40 W (6 ohms, T.H.D.10%, 1 kHz)
Total harmonic distortion	0.1% (17 W, 1 kHz, 6 ohms, DIN AUDIO)
Inputs	VIDEO/AUX/PHONO IN: 500 mV
Outputs	CD DIGITAL OUT (OPTICAL) SPEAKERS : accept speakers of 6 ohms or more PHONES (stereo jack) : accepts headphones of 32 ohms or more

<Cassette deck section>

Track format	4 tracks, 2 channels stereo
Frequency response	50 Hz – 10000 Hz
Recording system	AC bias
Heads	Deck 1 : Recording/Playback head x 1, erase head x 1 Deck 2 : Playback head x 1

<Compact disc player section>

Laser	Semiconductor laser (λ =780 nm)
D-A converter	1 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.05 % (1 kHz, 0 dB)
Wow and flutter	Unmeasurable

<Speaker system, SX–ZL200>

Cabinet type	3 way, bass reflex
Speakers	Woofer : 130 mm ($5\frac{1}{8}$ in.) cone type Tweeter : 60 mm ($2\frac{3}{8}$ in.) cone type Super tweeter: 20 mm ($\frac{13}{16}$ in.) ceramic type
Impedance	6 ohms
Output sound pressure level	87 dB/W/m
Dimensions (W x H x D)	260 x 496 x 220 mm ($10\frac{1}{4}$ X $19\frac{5}{8}$ X $8\frac{3}{4}$ in.)
Weight	3.7 kg (8 lbs 3 oz.)

<General>

Power requirements	120 V/220-230 V/240 V AC (switchable), 50/60 Hz
Power consumption	70 W
Dimensions of main unit (W x H x D)	360 x 393 x 342 mm ($14\frac{1}{4}$ X $15\frac{1}{2}$ X $13\frac{1}{2}$ in.)
Weight of main unit	7.7 kg (17 lbs)

Standby power consumption

If the power-economizing mode is OFF : 17 W

If the power-economizing mode is AUTO or ON : 0.9 W

• Design and specifications are subject to change without notice.

ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC			
	8A-NFA-615-010		C-IC,M38B57MCH-E236FP
	87-A21-397-010		IC,STK490-070
	87-A21-482-010		IC,RPM6938-H4
	87-A21-419-040		C-IC,NJM14558MD-TE2
	87-A21-443-040		C-IC,M62495AFP
	87-A21-560-010		IC,LA1844L-A
	87-070-127-110		IC,LC72131 D
TRANSISTOR			
	87-026-609-080		TR,KTA1266GR
	89-213-702-010		TR,2SB1370E
	87-026-610-080		TR,KTC3198GR
	87-A30-076-080		C-TR,2SC3052F
	87-A30-075-080		C-TR,2SA1235F
	87-026-245-080		TR,DTC114ES
	87-A30-198-080		TR,KTC3199GR
	87-A30-090-080		FET,2SK2541
	87-A30-107-070		C-TR,CMBT5401
	87-A30-106-040		C-TR,CMBT5551
	87-A30-062-080		CHIP-TR,KRC104S
	87-A30-091-080		FET,2SJ460
	87-A30-318-080		TR,CSA952K
	89-333-317-880		TR,2SC3331 (T/U)
	87-A30-234-080		TR,CSC4115BC
	89-327-143-080		TR,2SC2714O
	87-A30-489-080		C-TR,KRA107S
DIODE			
	87-A40-393-090		DIODE,1N5402GW(F20)
	87-A40-455-080		DIODE,RL203 GW
	87-A40-553-080		DIODE,IN4003 LES
	87-A40-776-080		ZENER,UZ27BSD
	87-A40-768-080		ZENER,UZ16BSA
	87-A40-764-080		ZENER,UZ10BSC
	87-A40-313-080		C-DIODE,MC 2840
	87-A40-270-080		C-DIODE,MC2838
	87-A40-269-080		C-DIODE,MC2836
	87-A40-291-080		DIODE,1N4148M (CPT)
	87-020-465-080		DIODE,1SS133
	87-017-154-080		ZENER,HZS6C3L
	87-A40-739-080		ZENER,UZ2.7BSA
	87-017-149-080		ZENER,HZS6A2L
MAIN C.B			
C3	87-012-368-080		CHIP CAPACITOR,0.1-50 ZF
C4	87-012-368-080		CHIP CAPACITOR,0.1-50 ZF
C5	87-012-368-080		CHIP CAPACITOR,0.1-50 ZF
C6	87-012-368-080		CHIP CAPACITOR,0.1-50 ZF
C9	87-012-368-080		CHIP CAPACITOR,0.1-50 ZF
C10	87-012-368-080		CHIP CAPACITOR,0.1-50 ZF
C11	87-012-368-080		CHIP CAPACITOR,0.1-50 ZF
C12	87-012-368-080		CHIP CAPACITOR,0.1-50 ZF
C19	87-010-917-000		CAP,E 3300-50 M SMG
C20	87-010-917-000		CAP,E 3300-50 M SMG
C21	87-010-389-090		CAP,E 2200-25 M SMG
C22	87-010-389-090		CAP,E 2200-25 SMG
C25	87-010-385-080		CAP, ELECT 220-25V M 11L SME
C26	87-010-247-080		CAP, ELECT 100-50V M 11L SME
C30	87-010-430-080		CAP, ELECT 100-63
C31	87-010-263-080		CAP, ELECT 100-10V M 11L SME
C32	87-010-197-080		CAP, CHIP 0.01-25 KB
C34	87-010-384-080		CAP, ELECT 100-25V M 11L SME
C35	87-010-380-080		CAP, ELECT 47-16 M 11L SME
C36	87-010-381-080		CAP, ELECT 330-16 M SME
C38	87-010-197-080		C-CAP,S 0.01-25 KB

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C60	87-010-403-080		CAP, ELECT 3.3-50V M 11L SME
C61	87-010-260-080		CAP, ELECT 47-25V M 11L SME
C97	87-010-196-080		C-CAP,S 0.1-25 ZF
C101	87-010-182-080		C-CAP,S 2200P-50 KB
C102	87-010-182-080		C-CAP,S 2200P-50 KB
C103	87-010-544-080		CAP, ELECT 0.1-50V M 11L SME
C104	87-010-544-080		CAP, ELECT 0.1-50V M 11L SME
C105	87-010-178-080		CHIP CAP 1000P-50 KB
C106	87-010-178-080		CHIP CAP 1000P-50 KB
C107	87-010-404-080		CAP, ELECT 4.7-50V M 11L SME
C108	87-010-404-080		CAP, ELECT 4.7-50V M 11L SME
C109	87-012-156-080		C-CAP,S 220P-50 J CH
C110	87-012-156-080		C-CAP,S 220P-50 J CH
C111	87-010-391-080		CAP,E 10-35 M 11L SME
C112	87-010-391-080		CAP,E 10-35 M 11L SME
C113	87-010-405-080		CAP, ELECT 10-50V M 11L SME
C114	87-010-405-080		CAP, ELECT 10-50V M 11L SME
C115	87-010-149-080		C-CAP,S 5P-50 C CH
C116	87-010-149-080		C-CAP,S 5P-50 C CH
C119	87-010-197-080		CAP, CHIP 0.01-25 KB
C120	87-010-197-080		CAP, CHIP 0.01-25 KB
C125	87-012-368-080		C-CAP,S 0.1-50 ZF
C126	87-012-368-080		C-CAP,S 0.1-50 ZF
C127	87-012-368-080		C-CAP,S 0.1-50 ZF
C128	87-012-368-080		C-CAP,S 0.1-50 ZF
C129	87-010-191-080		C-CAP,S 0.015-50 ZF GRM
C130	87-010-191-080		C-CAP,S 0.015-50 ZF GRM
C131	87-010-197-080		CAP, CHIP 0.01-25 KB
C132	87-010-197-080		CAP, CHIP 0.01-25 KB
C133	87-010-186-080		CAP,CHIP 4700P-50 KB
C140	87-010-182-080		C-CAP,S 2200P-50 KB
C301	87-010-180-080		CHIP CAP 1500P-50 KB
C302	87-010-180-080		CHIP CAP 1500P-50 KB
C303	87-010-180-080		CHIP CAP 1500P-50 KB
C304	87-010-180-080		CHIP CAP 1500P-50 KB
C305	87-010-198-080		CAP, CHIP 0.022-25 KB
C307	87-010-263-080		CAP, ELECT 100-10V M 11L SME
C308	87-010-263-080		CAP, ELECT 100-10V M 11L SME
C309	87-010-318-080		C-CAP,S 47P-50 CH GRM
C310	87-010-318-080		C-CAP,S 47P-50 CH GRM
C311	87-010-598-080		C-CAP,S 0.068-16VRK
C312	87-010-598-080		C-CAP,S 0.068-16VRK
C313	87-010-187-080		CAP CHIP S5600P-50 KB
C314	87-010-187-080		CAP CHIP S5600P-50 KB
C315	87-010-263-080		CAP, ELECT 100-10V
C317	87-010-400-080		CAP, ELECT 0.47-50V M 11L SME
C318	87-010-400-080		CAP, ELECT 0.47-50V M 11L SME
C326	87-010-198-080		CAP, CHIP 0.022-25 KB
C327	87-010-196-080		CHIP CAPACITOR,0.1-25
C360	87-010-401-080		CAP, ELECT 1-50V M 11L SME
C399	87-012-140-080		CAP 470P-50 J CH
C401	87-010-544-080		CAP, ELECT 0.1-50V M 11L SME
C402	87-010-544-080		CAP, ELECT 0.1-50V M 11L SME
C403	87-012-145-080		CAP, CHIP S 270P-50 CH
C404	87-012-145-080		CAP, CHIP S 270P-50 CH
C405	87-010-197-080		CAP, CHIP 0.01-25 DM
C406	87-010-197-080		CAP, CHIP 0.01-25 DM
C407	87-010-197-080		CAP, CHIP 0.01-25 DM
C408	87-010-197-080		CAP, CHIP 0.01-25 DM
C409	87-010-182-080		C-CAP,S 2200P-50 B
C410	87-010-182-080		C-CAP,S 2200P-50 B
C411	87-010-405-080		CAP, ELECT 10-50V M 11L SME
C412	87-010-405-080		CAP, ELECT 10-50V M 11L SME
C452	87-010-382-080		CAP, ELECT 22-25V M 11L SME
C453	87-010-183-080		C-CAP,S 2700P-50 B
C454	87-010-183-080		C-CAP,S 2700P-50 B
C455	87-010-183-080		C-CAP,S 2700P-50 B
C456	87-010-197-080		CAP, CHIP 0.01-25 DM
C458	87-010-178-080		CHIP CAP 1000P-50
C459	87-010-175-080		CAP 560P-50

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C460	87-010-196-080		C-CAP,S 0.1-25 ZF
C461	87-012-158-080		C-CAP,S 390P-50 CH
C462	87-012-158-080		C-CAP,S 390P-50 CH
C601	87-012-140-080		CAP,CHIP S 470P-50 J CH
C602	87-012-140-080		CAP,CHIP S 470P-50 J CH
C607	87-010-182-080		C-CAP,S 2200P-50 B
C608	87-010-182-080		C-CAP,S 2200P-50 B
C609	87-010-213-080		C-CAP,S 0.015-25 B
C610	87-010-213-080		C-CAP,S 0.015-25 B
C611	87-010-546-080		CAP, ELECT 0.33-50V M 11L SME
C612	87-010-546-080		CAP, ELECT 0.33-50V M 11L SME
C613	87-010-546-080		CAP, ELECT 0.33-50V M 11L SME
C614	87-010-546-080		CAP, ELECT 0.33-50V M 11L SME
C615	87-010-154-080		CAP CHIP 10P-50 D CH
C616	87-010-385-080		CAP, ELECT 220-25V M 11L SME
C617	87-010-385-080		CAP, ELECT 220-25V M 11L SME
C618	87-010-405-080		CAP, ELECT 10-50V M 11L SME
C630	87-A10-201-080		C-CAP,S 0.33-16 KB
C669	87-010-322-080		C-CAP,S 100P-50 CH
C670	87-010-322-080		C-CAP,S 100P-50 CH
C677	87-010-197-080		CAP, CHIP 0.01-25 DM
C771	87-010-263-080		CAP, ELECT 100-10VM 11L SME
C772	87-010-197-080		CAP, CHIP 0.01-25 KB
C782	87-010-197-080		CAP, CHIP 0.01-25 KB
C783	87-010-197-080		CAP, CHIP 0.01-25 KB
C784	87-010-197-080		CAP, CHIP 0.01-25 KB
C785	87-010-197-080		CAP, CHIP 0.01-25 KB
C786	87-010-197-080		CAP, CHIP 0.01-25 KB
C788	87-010-149-080		C-CAP,S 5P-50 CH
C789	87-A12-052-080		C-CAP,S 0.033-25 JB
C790	87-A12-052-080		C-CAP,S 0.033-25 JB
C791	87-010-196-080		CHIP CAPACITOR,0.1-25
C792	87-010-197-080		CAP, CHIP 0.01-25 DM
C793	87-010-404-080		CAP, ELECT 4.7-50V M 11L SME
C795	87-010-197-080		CAP, CHIP 0.01-25 DM
C796	87-010-197-080		CAP, CHIP 0.01-25 DM
C797	87-010-405-080		CAP, ELECT 10-50V M 11L SME
C798	87-010-197-080		CAP, CHIP 0.01-25 DM
C799	87-010-407-080		CAP, ELECT 33-50V M 11L SME
C800	87-012-369-080		C-CAP,S 0.047-50F
C801	87-010-403-080		CAP, ELECT 3.3-50V M 11L SME
C802	87-010-194-080		CAP, CHIP 0.047-25 ZF
C803	87-010-198-080		CAP, CHIP 0.022-25 KB
C804	87-010-263-080		CAP, ELECT 100-10V M 11L SME
C807	87-010-400-080		CAP, ELECT 0.47-50V M 11L SME
C808	87-010-401-080		CAP, ELECT 1-50V M 11L SME
C809	87-010-401-080		CAP, ELECT 1-50V M 11L SME
C810	87-010-196-080		CHIP CAPACITOR,0.1-25
C814	87-010-197-080		CAP, CHIP 0.01-25 KB
C815	87-010-403-080		CAP, ELECT 3.3-50V M 11L SME
C816	87-010-403-080		CAP, ELECT 3.3-50V M 11L SME
C821	87-010-405-080		CAP, ELECT 10-50V M 11L SME
C823	87-010-177-080		C-CAP,S 820P-50 SL
C824	87-010-404-080		CAP, ELECT 4.7-50 M 11L SME
C825	87-010-596-080		CAP, S 0.047-16
C842	87-010-197-080		CAP, CHIP 0.01-25 KB
C844	87-010-197-080		CAP, CHIP 0.01-25 KB
C850	87-010-260-080		CAP, ELECT 47-25V M 11L SME
C851	87-010-197-080		CAP, CHIP 0.01-25 KB
C852	87-010-197-080		CAP, CHIP 0.01-25 KB
C853	87-010-197-080		CAP, CHIP 0.01-25 KB
C858	87-010-196-080		CHIP CAPACITOR,0.1-25
C859	87-010-196-080		CHIP CAPACITOR,0.1-25
C860	87-010-197-080		CAP, CHIP 0.01-25 KB
C870	87-010-178-080		C-CAP,S 1000P-50 KB
C959	87-010-196-080		CHIP CAPACITOR,0.1-25
C960	87-010-196-080		CHIP CAPACITOR,0.1-25
C961	87-010-152-080		C-CAP,S 8P-50 CH
C963	87-015-785-080		CHIP CAPACITOR, 0.1FZ-25Z
C971	87-010-381-080		CAP, ELECT 330-16V M 11L SME

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C972	87-010-404-080		CAP, ELECT 4.7-50V M 11L SME
C973	87-010-197-080		CAP, CHIP 0.01-25 KB
C974	87-010-197-080		CAP, CHIP 0.01-25 KB
C979	87-010-322-080		C-CAP,S 100P-50 CH
C981	87-010-260-080		CAP, ELECT 47-25V M 11L SME
C982	87-010-196-080		CHIP CAPACITOR,0.1-25
C983	87-010-197-080		CAP, CHIP 0.01-25 KB
C984	87-010-197-080		CAP, CHIP 0.01-25 KB
C987	87-010-197-080		CAP, CHIP 0.01-25 KB
C991	87-010-312-080		C-CAP,S 15P-50 CH
C992	87-010-312-080		C-CAP,S 15P-50 CH
C993	87-010-178-080		CHIP CAP 1000P-50 KB
C995	87-010-178-080		CHIP CAP 1000P-50 KB
C997	87-010-196-080		CHIP CAPACITOR,0.1-25
C998	87-010-260-080		CAP, ELECT 47-25 M 11L SME
C999	87-A11-145-080		CAP, TC U 0.01-50 ZF
CF831	87-008-261-010		FILTER, SFE10.7MA5
CF832	87-008-261-010		FILTER, SFE10.7MA5
CN301	87-A60-620-010		CONN,3P V 2MM JMT
CN351	87-A60-625-010		CONN,8P V 2MM JMT
CN601	88-NF9-657-010		CONN,30P H BLK TYK-B(X)
CN602	87-A60-131-010		CONN,6P V FE
CNA1	8A-NF8-653-010		CONN ASSY,9P TID-A(480)
CON301	8A-MA6-642-010		CONN ASSY,3P (PH)
CON351	8A-MA6-641-010		CONN ASSY,8P (RPB)
FC602	88-906-321-110		FF-CABLE,6P 1.25 320MM
FFE831	A8-8ZA-190-030		8ZA-1 FEUNM
J202	87-A60-602-010		JACK,DIA6.3 BLK ST W/SW TC
J203	87-A60-238-010		TERMINAL,SP 4P (MSC)
J602	87-A60-881-010		JACK,PIN 2P MSP 242V05 PBSN
J831	87-A60-202-010		TERMINAL,ANT 4P MSP-154V-02
L101	87-003-383-010		COIL,1UH-K
L102	87-003-383-010		COIL,1UH-K
L451	87-007-342-010		COIL,OSC 85K BIAS
L801	87-A50-608-010		COIL,FM DET-N(TOK)
L802	87-A91-551-010		FLTR,PCFJZH-450 L(TOK)
L811	87-005-847-080		COIL,2.2UHK (CECS)
L832	87-005-847-080		COIL,2.2UHK (CECS)
L951	8A-NF8-667-010		COIL,AM PACK 4(TOK)
R131	87-A00-669-080		RES,M/F 0.22-2W J RA
R132	87-A00-669-080		RES,M/F 0.22-2W J RA
R143	87-A00-440-050		RES,220-1/2W J RP
R144	87-A00-440-050		RES,220-1/2W J RP
R145	87-A00-440-050		RES,220-1/2W J RP
R146	87-A00-440-050		RES,220-1/2W J RP
R790	87-010-197-080		C-CAP,S 0.01-25 KB
R991	87-010-322-080		C-CAP,S 100P-50 J CH
R993	87-010-322-080		C-CAP,S 100P-50 J CH
R995	87-010-322-080		C-CAP,S 100P-50 J CH
SFR451	87-024-355-080		SFR,33K H EVN DJAA03
SFR452	87-024-355-080		SFR,33K H EVN DJAA03
WH1	87-A90-510-010		HLDR,WIRE 2.5-9P
X991	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309

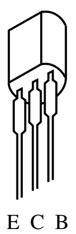
FRONT C.B

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C101	87-A11-147-080		CAPACTOR TC U 0.047-50 ZF
C103	87-010-248-040		CAP,E 220-10 SME
C104	87-010-246-040		CAP,E 47-35 SME
C105	87-A11-146-080		CAP,TC U 0.022-50 ZF
C107	87-018-205-080		CAP,TC U 0.022-25 ZF
C108	87-018-131-080		CAP,TC U 1000P-50 KB
C109	87-018-131-080		CAP,TC U 1000P-50 KB
C110	87-018-131-080		CAP,TC U 1000P-50 KB
C111	87-018-205-080		CAP,TC U 0.022-25 ZF
C113	87-018-131-080		CAP,TC U 1000P-50V KB
C114	87-018-147-080		CAP,TC-U 10P-50 J CH
C115	87-018-128-080		CAP,TC U 560P-50 KB
C116	87-010-400-040		CAP,E 0.47-50 M 11L SME
C117	87-A11-148-080		CAP TC U 0.1-50 ZF

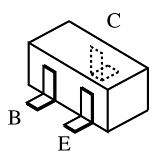
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C118	87-010-248-040		CAP,E 220-10 SME
C119	87-010-248-040		CAP,E 220-10 SME
C120	87-018-123-080		CAP,TC U 220P-50V KB
C123	87-A11-148-080		CAP TC U 0.1-50 ZF
C124	87-A11-148-080		CAP TC U 0.1-50 ZF
C125	87-010-405-040		CAP,E 10-50 M 11L SME
C126	87-A11-148-080		CAP TC U 0.1-50 ZF
C130	87-010-405-040		CAP,E 10-50 M 11L SME
C201	87-018-118-080		CAP,TC-U 82P-50 B
C202	87-018-117-080		CAP,TC-U 68P-50 SL
C205	87-018-117-080		CAP,TC-U 68P-50 SL
C208	87-018-117-080		CAP,TC-U 68P-50 SL
C209	87-018-117-080		CAP,TC-U 68P-50 SL
C210	87-018-117-080		CAP,TC-U 68P-50 SL
C211	87-A11-147-080		CAPACTOR TC U 0.047-50 F
C212	87-010-404-040		CAP,E 4.7-50 SME
C213	87-010-404-040		CAP,E 4.7-50 SME
C216	87-A11-147-080		CAPACTOR TC U 0.047-50 F
C701	87-010-384-040		CAP,E 100-25 SME
CN101	88-NF9-658-010		CONN,30P BLK TYK-B(P)
CN701	87-A60-673-010		CONN,9P H 2MM JMT
CN801	87-099-015-010		CONN,13P V BLK 6216
FC801	88-913-271-110		FF-CABLE,13P 1.25
FL201	8A-NFA-604-010		FL,10-BT-224GNK
L101	87-A50-050-010		COIL,CLK 4.19M(COI)
LED101	87-A40-317-080		LED,SLR-342VCT31 RED
S101	87-A91-623-010		SW,RTRY EC12E2430403-25MM
S301	87-A90-095-080		SW,TACT EVQ11G04M
S302	87-A90-095-080		SW,TACT EVQ11G04M
S303	87-A90-095-080		SW,TACT EVQ11G04M
S304	87-A90-095-080		SW,TACT EVQ11G04M
S305	87-A90-095-080		SW,TACT EVQ11G04M
S306	87-A90-095-080		SW,TACT EVQ11G04M
S307	87-A90-095-080		SW,TACT EVQ11G04M
S308	87-A90-095-080		SW,TACT EVQ11G04M

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
S309	87-A90-095-080		SW,TACT EVQ11G04M
S321	87-A90-095-080		SW,TACT EVQ11G04M
S322	87-A90-095-080		SW,TACT EVQ11G04M
S323	87-A90-095-080		SW,TACT EVQ11G04M
S324	87-A90-095-080		SW,TACT EVQ11G04M
S325	87-A90-095-080		SW,TACT EVQ11G04M
S326	87-A90-095-080		SW,TACT EVQ11G04M
S327	87-A90-095-080		SW,TACT EVQ11G04M
S328	87-A90-095-080		SW,TACT EVQ11G04M
S329	87-A90-095-080		SW,TACT EVQ11G04M
S330	87-A90-095-080		SW,TACT EVQ11G04M
S331	87-A90-095-080		SW,TACT EVQ11G04M
SFR701	87-024-352-080		SFR,4.7K H EVN DJAA03
PT C.B			
C15	87-010-387-080		CAP,E 470-25 SME
C16	87-010-403-080		CAP, ELECT 3.3-50V
CN1	87-A61-110-010		CONN,9P V TID-A
⚠ PT1	8A-MA6-663-010		PT,AMA-6 LH
⚠ PT2	8A-NF8-673-010		PT,SUB ANF-8 (H)KAMI
⚠ RY1	87-A91-300-010		RELAY,AC 12V-ALA2PF12
⚠ S1	87-A90-165-010		SW,SL 1-2-3 SWS2301
⚠ T1	87-A60-317-010		TERMINAL, 1P MSC
⚠ T2	87-A60-317-010		TERMINAL, 1P MSC

TRANSISTOR ILLUSTRATION

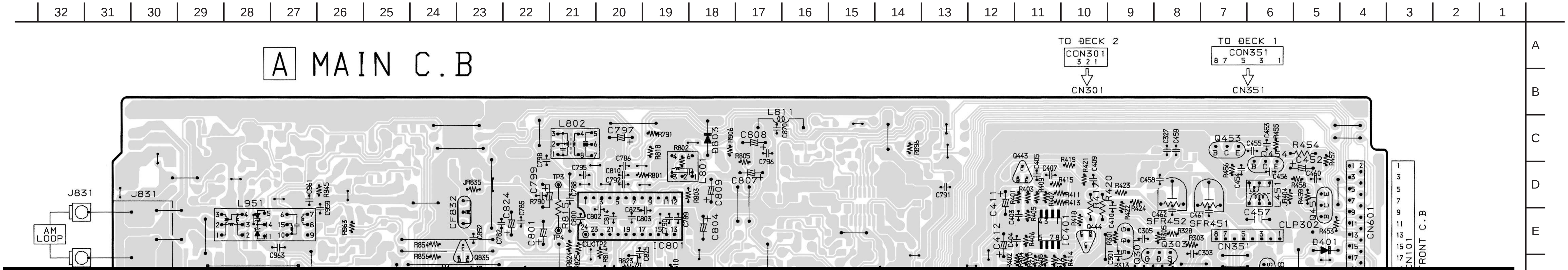


CSA952



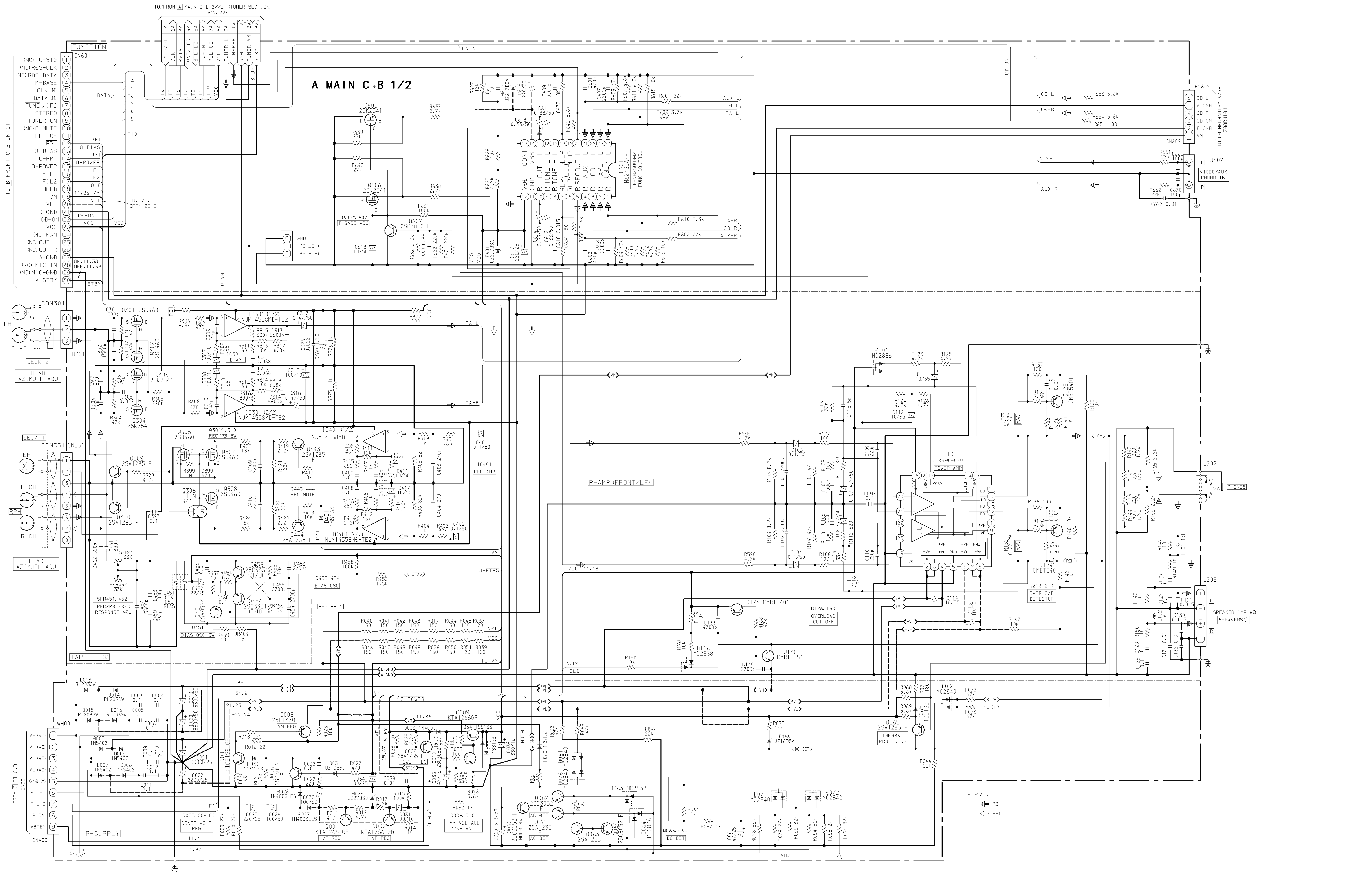
KRC104S
KRA107S

WIRING - 1 (MAIN)

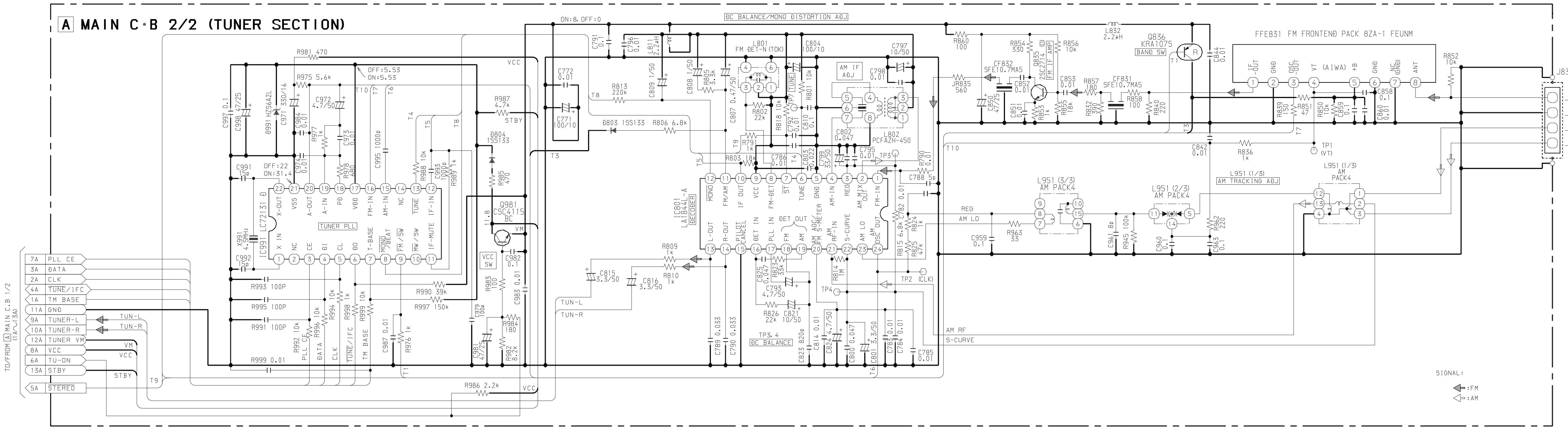


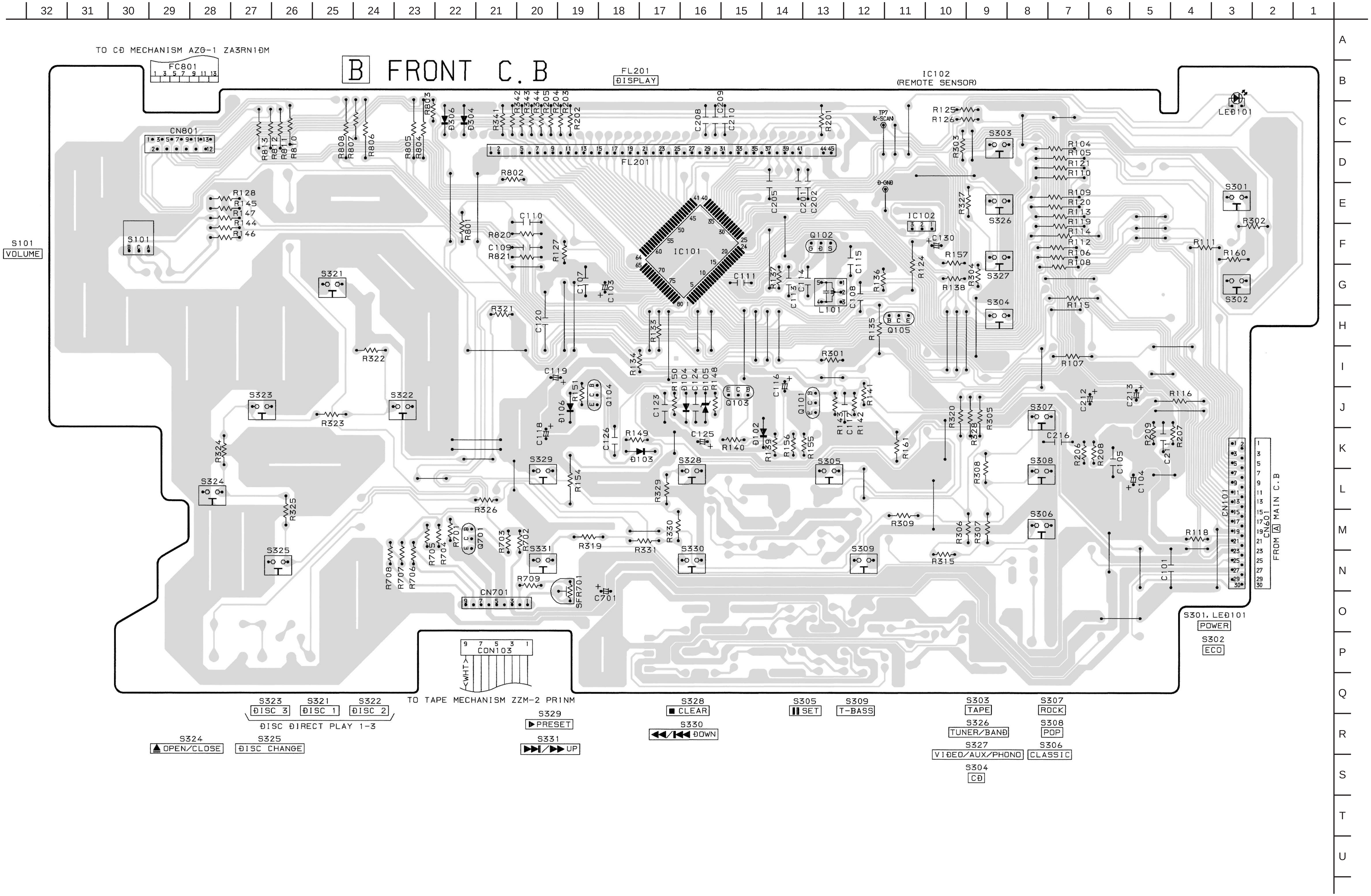
[redacted]

SCHEMATIC DIAGRAM - 1 (MAIN 1/2)

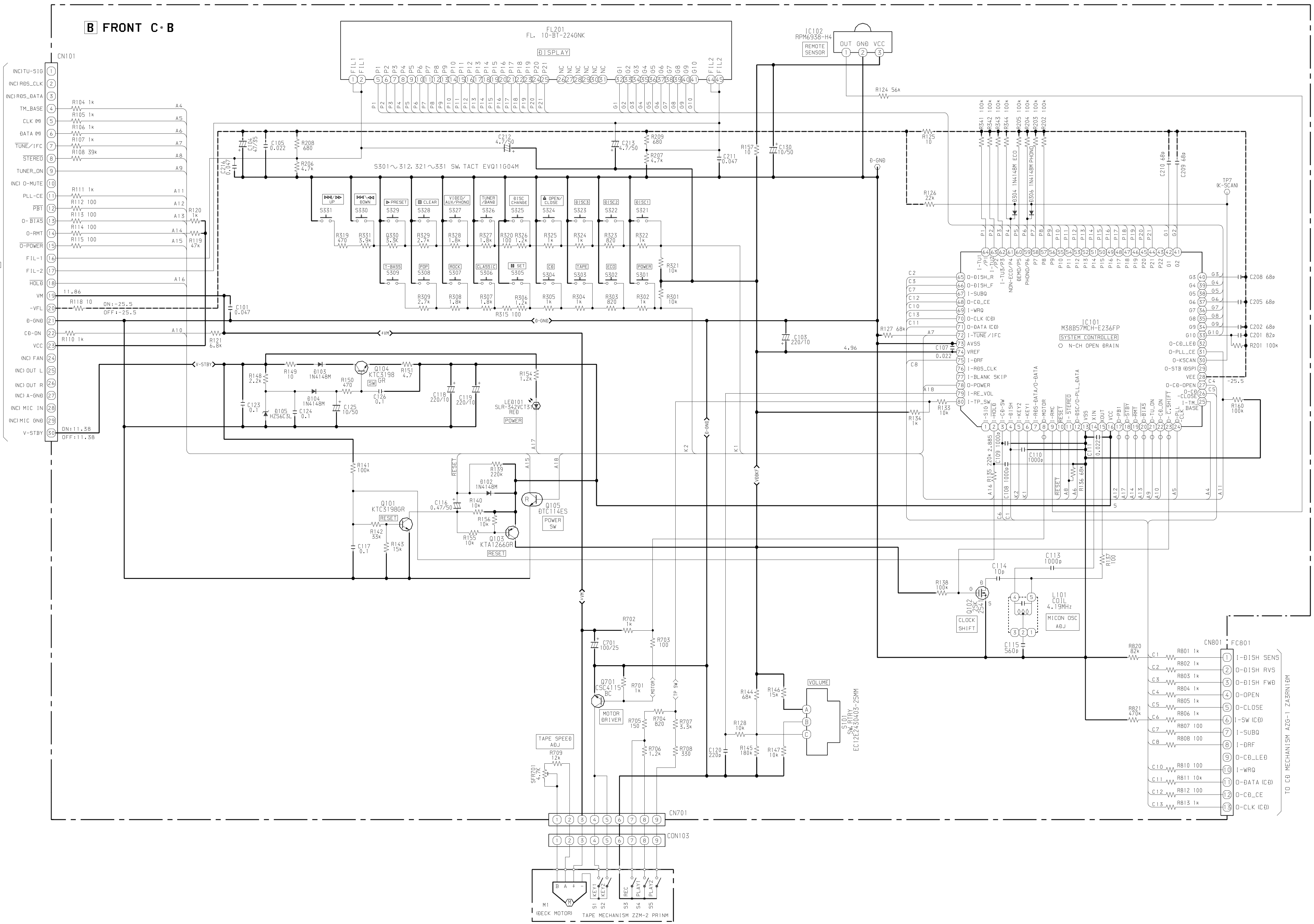


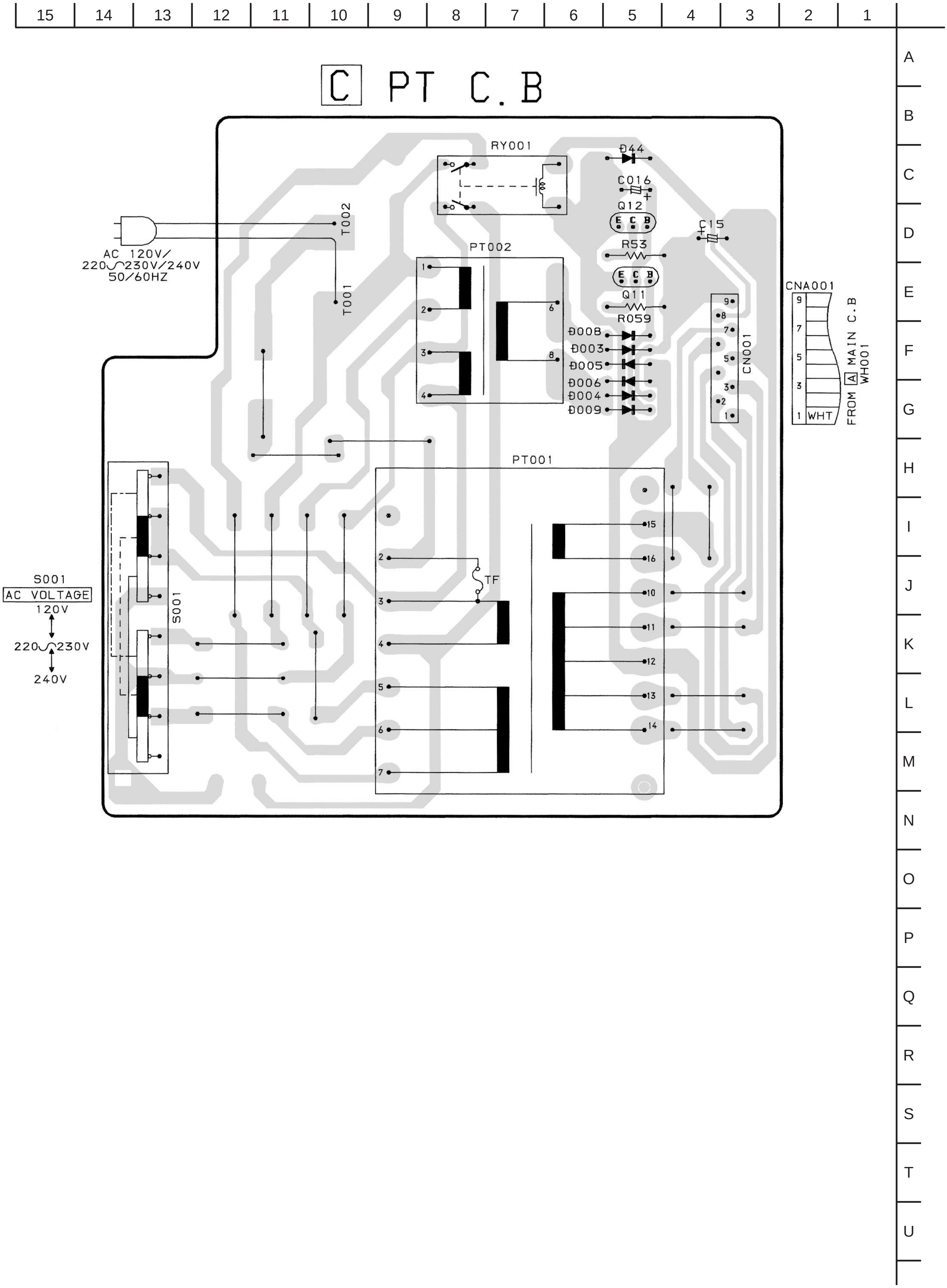
SCHEMATIC DIAGRAM - 2 (MAIN 2/2)



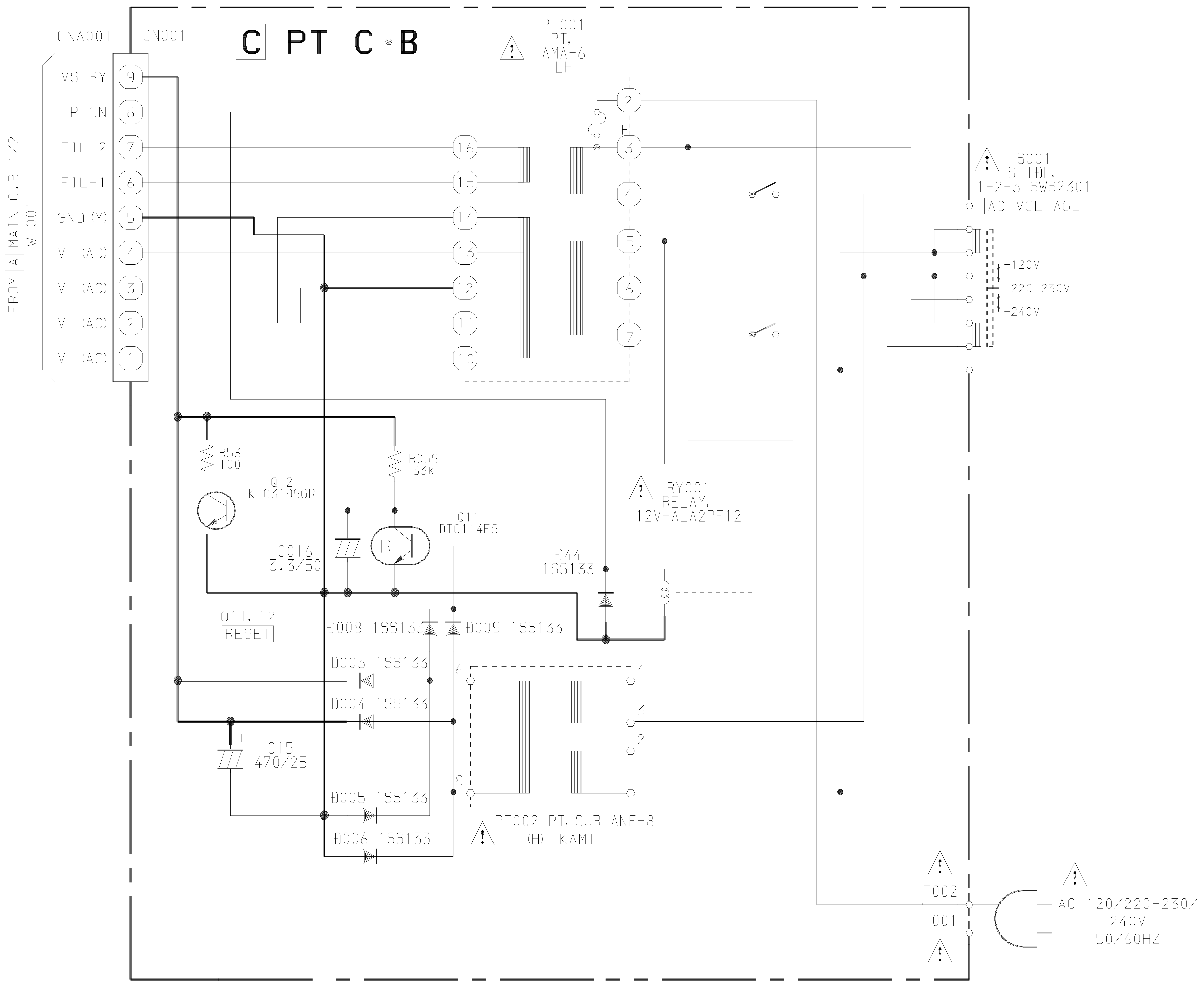

B FRONT C.B
TO CD MECHANISM AZG-1 ZA3RN1DM
FC801
CN801
FL201
DISPLAY
IC102
(REMOTE SENSOR)
IC101
S101
VOLUME
LED101
CN101
CN601 FROM A MAIN C.B
CN701
CON103
<WHT>
TO TAPE MECHANISM ZZM-2 PR1NM
S301, LED101
POWER
S302
ECO
S323
DISC 3
S321
DISC 1
S322
DISC 2
DISC DIRECT PLAY 1-3
S324
▲OPEN/CLOSE
S325
DISC CHANGE
S329
▶PRESET
S331
▶▶I/▶▶UP
S328
■CLEAR
S330
◀◀/I◀◀DOWN
S305
IISET
S309
T-BASS
S303
TAPE
S326
TUNER/BAND
S327
VIDEO/AUX/PHONO
S304
CD
S307
ROCK
S308
POP
S306
CLASSIC

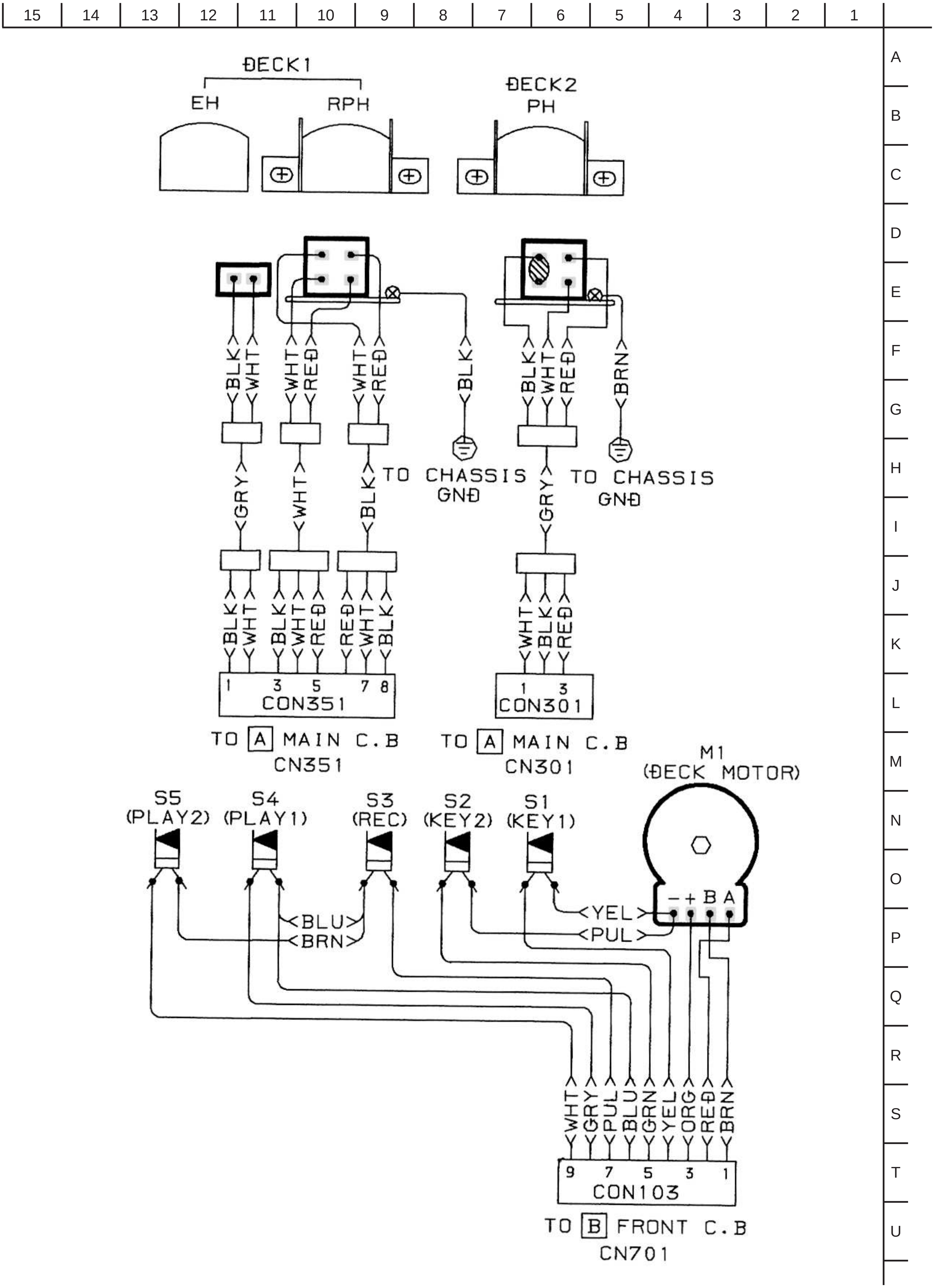
SCHEMATIC DIAGRAM - 3 (FRONT)





C PT C.B
RY001
D44
C016
Q12
C15
R53
Q11
R059
PT002
PT001
T002
T001
AC 120V/
220∽230V/240V
50/60HZ
D008
D003
D005
D006
D004
D009
CN001
CNA001
WHT
FROM A MAIN C.B
WH001
S001
AC VOLTAGE
120V
220∽230V
240V
TF


C PT C·B
CNA001
CN001
FROM A MAIN C.B 1/2 WH001
VSTBY
P-ON
FIL-2
FIL-1
GND (M)
VL (AC)
VL (AC)
VH (AC)
VH (AC)
PT001
PT,
AMA-6
LH
TF
S001
SLIDE,
1-2-3 SWS2301
AC VOLTAGE
-120V
-220-230V
-240V
R53
100
R059
33k
Q12
KTC3199GR
Q11
DTC114ES
C016
3.3/50
RY001
RELAY,
12V-ALA2PF12
D44
1SS133
Q11, 12
RESET
D008 1SS133
D009 1SS133
D003 1SS133
D004 1SS133
C15
470/25
D005 1SS133
D006 1SS133
PT002 PT, SUB ANF-8
(H) KAMI
T002
T001
AC 120/220-230/
240V
50/60HZ


15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
A B C D E F G H I J K L M N O P Q R S T U
DECK1
EH
RPH
DECK2
PH
BLK WHT
WHT RED
WHT RED
BLK
BLK WHT RED
BRN
GRY
WHT
BLK
TO CHASSIS GND
GRY
TO CHASSIS GND
BLK WHT
BLK WHT RED
RED WHT BLK
WHT BLK RED
1 3 5 7 8
CON351
1 3
CON301
TO A MAIN C.B
CN351
TO A MAIN C.B
CN301
M1
(DECK MOTOR)
S5
(PLAY2)
S4
(PLAY1)
S3
(REC)
S2
(KEY2)
S1
(KEY1)
– + B A
YEL
PUL
BLU
BRN
WHT GRY PUL BLU GRN YEL ORG RED BRN
9 7 5 3 1
CON103
TO B FRONT C.B
CN701

ADJUSTMENT <TUNER>

7. DC Balance / Mono Distortion Adjustment
   Settings : • Test point : TP3, TP4 (DC Balance)
                                          TP8 (Lch), TP9 (Rch) (Distortion)
                    • Adjustment location : L801
                    • Input level : 60dBμV
   Method : Set to FM 98.0MHz and adjust L801 so that the voltage between TP3 and TP4 becomes 0V ± 300mV. Next, check that the distortion is minimum.

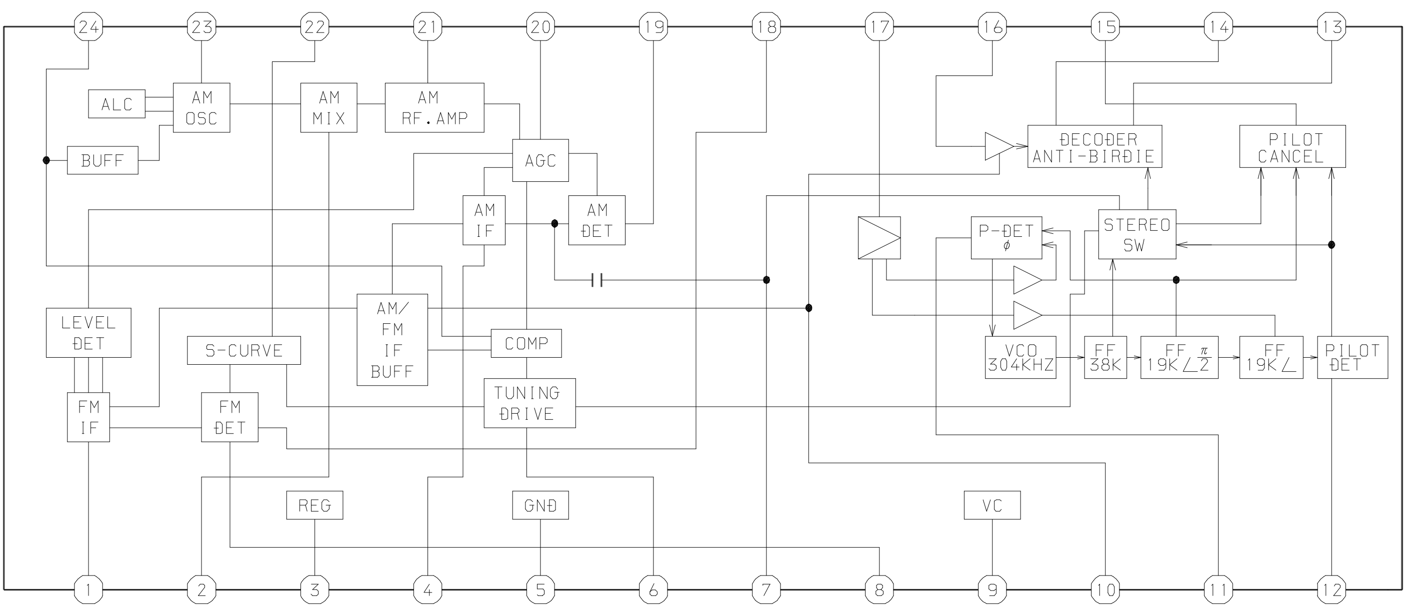
IC DESCRIPTION

IC, M38B57MCH-E236FP

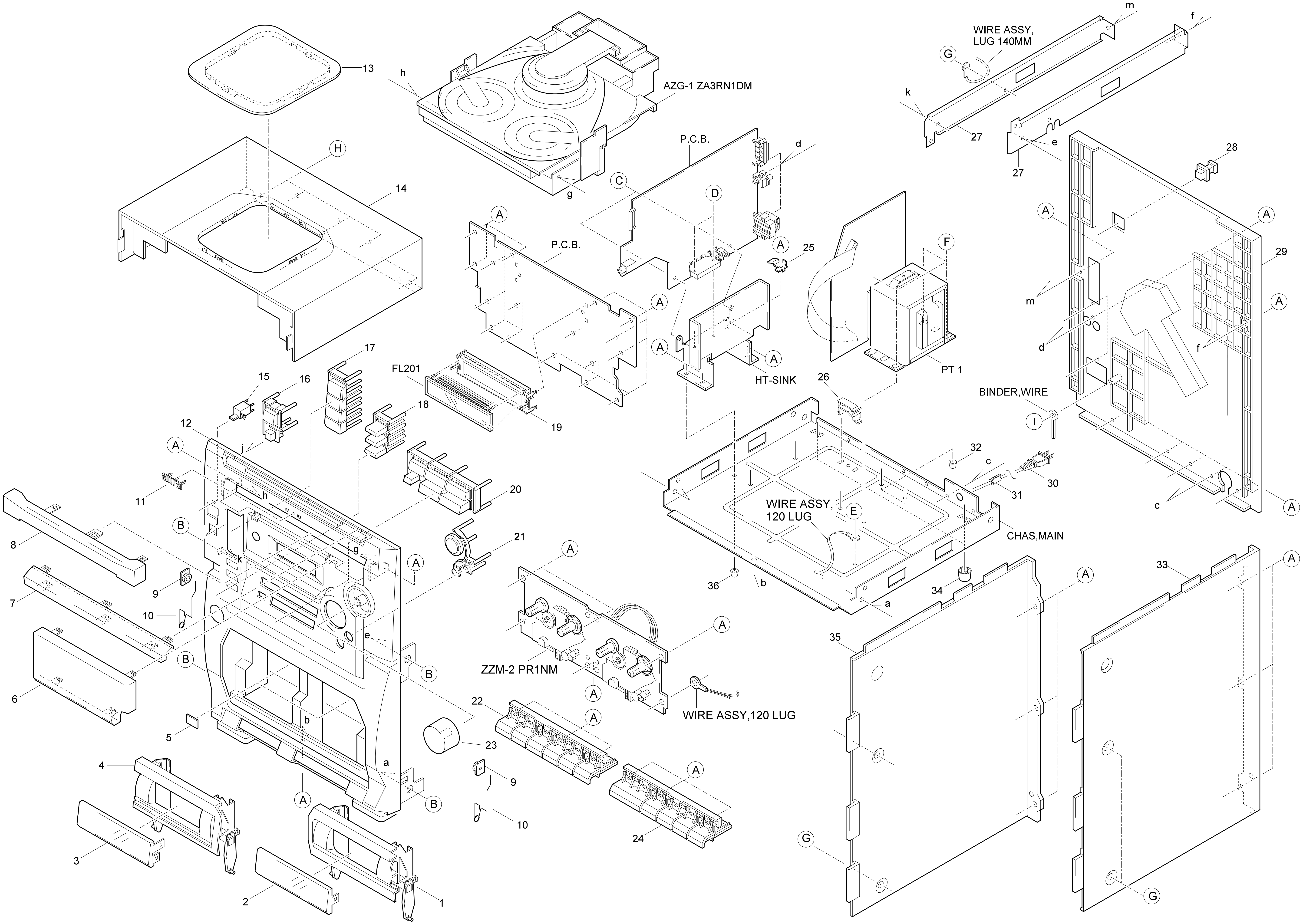
The IC DESCRIPTION for IC, M38B57MCH-E236FP is the same as IC M38B59MFH-E250FP.

IC BLOCK DIAGRAM

IC, LA1844L-A



MECHANICAL EXPLODED VIEW 1 / 1



MECHANICAL PARTS LIST 1 / 1

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8A-MA6-007-010		BOX,CASS R
2	8A-MA6-017-010		WINDOW,CASS R
3	8A-MA6-016-010		WINDOW,CASS L
4	8A-MA6-006-010		BOX,CASS L
5	81-532-080-010		LABEL, CASS. COMPT
6	8A-MA6-015-010		WINDOW,DISP
7	8A-MA6-014-010		WINDOW,CD
8	8A-MA6-011-010		PANEL,CD
9	86-NFZ-231-010		DMPR,70
10	8Z-CL8-209-010		SPR-T,CASS
11	87-B00-002-010		BADGE,AIWA 30 ABS SIL
12	8A-MA6-003-110		CABI,FR LH
13	8A-MA3-057-010		WINDOW,TOP
14	8A-MA6-018-110		CABI,TOP
15	8A-MA6-032-010		REFLECTOR,POWER
16	8A-MA6-031-010		KEY,POWER
17	8A-MA6-033-010		KEY,FUNCTION
18	8A-MA6-034-110		KEY,GEQ
19	8A-NFA-208-010		GUIDE,FL 100-25 ANFA
20	8A-MA6-035-010		KEY,PLAY
21	8A-MA6-036-010		KEY,CD
22	8A-MA6-041-010		KEY,CASS L
23	8A-MA6-039-010		KNOB,RTRY VOL
24	8A-MA6-042-010		KEY,CASS R
25	8A-NF8-205-010		HLDR,IC
26	87-NF4-221-010		HLDR,CABLE
27	88-MA1-208-210		JOINT,CABI
28	84-ZG1-245-210		CAP,OPTICAL
29	8A-MA6-024-010		CABI,REAR LH
⚠ 30	87-A80-105-010		AC CORD ASSY,AZ
31	87-085-185-010		BUSHING, AC CORD (E)
32	8Z-NB8-240-010		COVER, PL
33	8A-MA5-046-010		PANEL,SIDE R 5
34	87-MA3-062-010		FOOT, H17
35	8A-MA5-045-010		PANEL,SIDE L 5
36	8Z-NB8-254-010		COVER, PL M3
A	87-067-703-010		TAPPING SCREW, BVT2+3-10
B	87-591-095-410		TAPPING SCREW, QIT+3-8 (GLD)
C	87-NF4-224-010		S-SCREW,IT3B+3-8 CU
D	87-067-581-010		TAPPING SCREW, BVT2+3-15
E	87-067-688-010		BVTT+3-6
F	87-067-586-010		TAPPING SCREW, BVT2+4-8
G	87-067-641-010		UTT2+3-8(W/O SLOT)BL
H	87-067-758-010		BVT2+3-12 W/O SLOT
I	87-067-579-010		TAPPING SCREW, BVT2+3-8

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange		

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